Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method, comprising:

a) generating a RF-ID interrogation signal by a first terminal equipped with a RF-ID tag reader device;

b) detecting the RF-ID interrogation signal by a second terminal when within the range of the RF-ID interrogation signal;

c) in response to detecting the presence of the RF-ID interrogation signal, providing a notification to activate a processor in the second terminal, the processor using the notification for setting a short-range communication module in the second terminal into a page scanning mode for detecting paging signals directed to the second terminal;

d) responding to the RF-ID interrogation signal by transmitting a RF-ID response signal to the first terminal including identification information relating to the short-range communication module of the second terminal;

e) processing the received RF-ID response signal by the first terminal to activate a short-range communication module in the first terminal to initiate a shortened session setup by skipping the inquiry stage; transmitting a short-range paging signal directed to the second terminal based on information of the received RF-ID response signal and entering a page mode to establish a short-range connection with the second terminal; and

f) detecting the paging signal by the short-range communication module in the second terminal for immediate establishment of a short-range connection between the first and second terminals by skipping the inquiry stage.

2. (Previously Presented) The method of Claim 1 further comprising:

g) incorporating in the second mobile terminal a RF-ID tag reader having tag functionality and terminal identification information.

3. (Previously Presented) The method of Claim 2 further comprising:

h) switching the RF-ID tag reader in the second terminal to operate in a show communication mode and simulate a RF-ID tag device.

4. (Previously Presented) The method of Claim 1 wherein the first and second terminals include RF-ID tag readers operating in an active mode.

5. (Previously Presented) The method of Claim 1 wherein the RF-ID tag reader of the second terminal operates in a powered down state and passive mode.

6. (Previously Presented) The method of Claim 4 wherein one RF-ID tag reader automatically switches to a passive state when de-energized.

7. (Previously Presented) The method of Claim 1 wherein the short-range communication modules of the first and the second terminals conform to the principles of Bluetooth technology.

8. (Previously Presented) The method of Claim 7 wherein the processor of the second terminal responding terminal to the second terminal informs the Bluetooth module of the second terminal to enter into a Bluetooth page scan mode after detecting an interrogation signal and responding to it with identification information of the Bluetooth communication module in order to provide a shortened device discovery and session setup between the terminals.

9-15. (Canceled)

16. (Previously Presented) The method of Claim 1, wherein the first and the second terminals are mobile terminals.

17. (Previously Presented) The method of Claim 16 further comprising:

j) determining whether a short-range connection is acceptable.

18. (Previously Presented) The method of Claim 17 further comprising:

k) instructing the short-range communication module to enter into a page scanning mode if the Bluetooth mode is acceptable.

19. (Previously Presented) Method of Claim 17 further comprising:

l) instructing the short-range communication module to enter into a non-connectable connection if the Bluetooth mode is not acceptable.

20-51. (Canceled)

52. (Withdrawn) A portable electronic device, which is, connected to a reader device for radio frequency identification transponders, wherein said reader device comprises:

a) a radio frequency interface and an antenna such that said reader device is adapted to communicate at least with said radio frequency identification transponders in a reader operation mode; and

b) an associated transponder logic unit which is connectable to said radio frequency interface, wherein said transponder logic unit is operable in a transponder operation mode, in which said reader device acts as a radio frequency identification transponder.

53. (Withdrawn) The portable terminal according to Claim 52, wherein said reader device is a reader device according to Claim 39.

54. (Withdrawn) The portable terminal according to Claim 52, wherein said portable electronic device is enabled to communicate via a public land mobile network.

55. (Withdrawn) A system including a portable electronic device and a reader device for radio frequency identification transponders, which is connected to say portable electronic device, wherein said reader device comprises:

a) a radio frequency interface and an antenna such that said reader device is adapted to communicate at least with said radio frequency identification transponders in a reader operation mode; and

b) a transponder logic unit, which is connected /to, said radio frequency interface, wherein said transponder logic unit is operable in a transponder operation mode, in which said reader device acts as a radio frequency identification transponder.

56. (Currently Amended) A method, comprising:

a) receiving a notification signal indicating presence of an RF-ID interrogation signal from an associated RF-ID communications module in response to detecting an interrogation signal by said RF-ID communications module; and

b) in response to the notification signal, instructing an associated wireless short-range communication module to skip an inquiry stage and enter into a predefined shortened session set-up operation mode for detecting paging signals addressed to said wireless short-range communication module.

57. (Previously Presented) The method of claim 56 further comprises:

c) including in a RF-ID response signal at least a unique Bluetooth identification number of the wireless short-range communication module.

58. (Previously Presented) The method of claim 56 further comprises:

c) including in a RF-ID response signal a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module.

59. (Previously Presented) The method of claim 56 further comprises:

c) entering into a Bluetooth page scan mode after detecting the interrogation signal.

60. (Previously Presented) The method of claim 56 further comprises:

c) receiving a paging signal as an initial signal to activate the wireless short-range communication module.

61. (Previously Presented) The method of claim 56 further comprises:

c) skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

62. (Currently Amended) An apparatus, comprising:

a) a processor;

b) a wireless short-range communication module; and

c) a near field communication module configured to detect a RF-ID interrogation signal and send a response signal including identification information relating to the wireless short-range communication module;

wherein the processor is configured to instruct the wireless short range-communication module to skip an inquiry stage and enter into a predefined operation mode for detecting paging signals addressed to the wireless short-range communication module in response to receiving a notification signal indicating presence of the RF-ID interrogation signal from the near field communication module.

63. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a unique Bluetooth identification number of the wireless short-range communication module included in a RF-ID response signal.

64. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module including in a RF-ID response signal.

65. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) entering into a Bluetooth page scan mode into after detecting the interrogation signal.

66. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a paging signal to activate the wireless communication module after receiving the interrogation signal.

67. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) skipping an inquiry stage and establishing a shortened session set upon receiving a paging signal.

68. (Currently Amended) A computer readable storage medium including program code, executable in a computer system, comprising:

i) program code for receiving a notification signal indicating presence of a RF-ID interrogation signal from an associated RF-ID communications module in response to detecting an interrogation signal by said RF-ID communications module and in response to the notification signal;

ii) program code for instructing an associated wireless short-range communication module to skip an inquiry stage and enter into a predefined shortened session set-up operation mode for detecting paging signals addressed to said wireless short-range communication module.

69. (Previously Presented) The computer readable storage medium of claim 68, further comprising:

iii) program code for entering into a Bluetooth page scan mode after detecting the interrogation signal.

70. (Previously Presented) The computer readable storage medium of claim 68, further comprising:

iv) program code for receiving a paging signal to activate the wireless short-range communication module.

71. (Previously Presented) The computer readable storage medium of claim 68, further comprising:

v) program code for skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

72. (Previously Presented) The method of claim 1 further comprising:

(iv) instructing the second terminal to enter into a page scanning mode if the notification indicates a Bluetooth connection is acceptable.

73. (Previously Presented) The method of claim 1 further comprising:

(iv) instructing the second terminal to enter into a non-connectable mode if the notification indicates a Bluetooth connection is not acceptable.

74. (Previously Presented) The method of claim 1 further comprising

(iv) determining if a Bluetooth connection between the first and second terminals is acceptable using a control circuit responsive to the processor.

75. (Previously Presented) A system, comprising:

a) a first terminal equipped with a RF-ID tag reader device configured to generate a RF-ID interrogation signal;

b) a second terminal configured to detect the RF-ID interrogation signal when within the range of the RF-ID interrogation signal;

c) a processor in the second terminal activated upon notification by the second terminal responsive to the interrogation signal, the processor using the notification for setting a short-range communication module in the second terminal into a page scanning mode for detecting paging signals directed to the second terminal;

d) a transceiver in the second terminal responding to the RF-ID interrogation signal by transmitting a RF-ID response signal to the first terminal including identification information relating to the short-range communication module of the second terminal;

e) a transceiver in the first terminal processing the received RF-ID response signal by the first terminal to activate a short-range communication module in the first terminal to initiate a shortened session setup by skipping the inquiry stage; transmitting a short-range paging signal directed to the second terminal based on information of the received RF-ID response signal and entering a page mode to establish a short-range connection with the second terminal; and

f) a detector detecting the paging signal by the short-range communication module in the second terminal for initiating immediate establishment of a short-range connection between the first and second terminals by skipping the inquiry stage.

76. (Original) The method of claim 56 wherein the associated wireless short-range communication module is instructed to enter into a page scanning mode if the notification indicates a Bluetooth connection is acceptable.

77. (Original) The method of claim 56 wherein the associated wireless communication module is instructed to enter into a non-connectable mode if the notification indicates a Bluetooth connection is not acceptable.